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May 30, 2019

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

**RE: Duke Energy Progress, LLC – Monthly Fuel Report
Docket No. 2006-176-E**

Dear Ms. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of April 2019.

Additionally, enclosed is the revised March 2019 Schedule 5, which has been revised to correct the twelve month ended coal and oil burned MBTU and generation information reported on page 2.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Service List

**Duke Energy Progress
Summary of Monthly Fuel Report**

Schedule 1

Line No.	Item	April 2019
1	Fuel and Fuel-related Costs excluding DERP incremental costs	\$ 116,803,774
	MWH sales:	
2	Total System Sales	4,800,317
3	Less intersystem sales	402,150
4	Total sales less intersystem sales	4,398,167
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.6557
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.6801
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	340,097
8	Oil	2,637
9	Natural Gas - Combustion Turbine	337,103
10	Natural Gas - Combined Cycle	1,209,602
11	Biogas	444
12	Total Fossil	1,889,882
13	Nuclear	1,866,840
14	Hydro - Conventional	78,116
15	Solar Distributed Generation	24,300
16	Total MWH generation	3,859,138

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description	April 2019
Fuel and Fuel-Related Costs:	
Steam Generation - Account 501	
0501110 coal consumed - steam	\$ 14,006,029
0501310 fuel oil consumed - steam	343,270
Total Steam Generation - Account 501	<u>14,349,299</u>
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	11,712,815
Other Generation - Account 547	
0547000 natural gas consumed - Combustion Turbine	6,862,008
0547000 natural gas capacity - Combustion Turbine	1,046,168
0547000 natural gas consumed - Combined Cycle	30,478,452
0547000 natural gas capacity - Combined Cycle	10,452,561
0547106 biogas consumed - Combined Cycle	17,641
0547200 fuel oil consumed	316,878
Total Other Generation - Account 547	<u>49,173,708</u>
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	44,660,472
Fuel and fuel-related component of DERP purchases	58,746
PURPA purchased power capacity	6,107,055
DERP purchased power capacity	13,818
Total Purchased Power and Net Interchange - Account 555	<u>50,840,091</u>
Less:	
Fuel and fuel-related costs recovered through intersystem sales	9,980,703
Solar Integration Charge	126
Total Fuel Credits - Accounts 447/456	<u>9,980,829</u>
Total Costs Included in Base Fuel Component	\$ 116,095,083
Environmental Costs	
0509030, 0509212, 0557451 emission allowance expense	\$ 2,048
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense	746,668
Emission Allowance Gains	(500)
Less reagents expense recovered through intersystem sales - Account 447	25,907
Less emissions expense recovered through intersystem sales - Account 447	<u>13,618</u>
Total Costs Included in Environmental Component	708,691
Fuel and Fuel-related Costs excluding DERP incremental costs	<u>\$ 116,803,774</u>
DERP Incremental Costs	(3,929)
Total Fuel and Fuel-related Costs	<u>\$ 116,799,845</u>

Notes: Detail amounts may not add to totals shown due to rounding.

**DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA**

APRIL 2019

**Schedule 3, Purchases
Page 1 of 2**

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	\$	\$	mWh	Fuel \$	Non-fuel \$
DE Carolinas - Emergency	\$ 72,700	-	727	\$ 44,347	\$ 28,353
DE Carolinas - Reliability	235,008	-	6,912	235,008	-
Virginia Electric and Power Company - Emergency	14,000	-	140	8,540	5,460
Broad River Energy, LLC.	3,943,204	\$ 1,102,735	62,869	2,840,469	-
City of Fayetteville	534,725	353,925	2,616	180,800	-
Haywood EMC	44,333	44,333	-	-	-
NCEMC	2,674,514	1,853,042	21,637	821,472	-
PJM Interconnection, LLC.	203,000	-	5,264	203,000	-
Southern Company Services	2,401,649	802,620	49,069	1,599,029	-
DE Carolinas - Native Load Transfer	6,475,956	-	218,073	6,475,923	33
DE Carolinas - Native Load Transfer Benefit	(13,665)	-	-	(13,665)	-
Energy Imbalance	8,543		277	6,571	1,972
Generation Imbalance	685		40	418	267
	\$ 16,594,652	\$ 4,156,655	367,624	\$ 12,401,912	\$ 36,085
Act 236 PURPA Purchases					
Renewable Energy	\$ 20,888,379	-	330,667	\$ 20,888,379	-
DERP Qualifying Facilities	72,564	-	1,521	72,564	-
Other Qualifying Facilities	17,477,236	-	318,131	17,477,236	-
	\$ 38,438,179	\$ -	650,319	\$ 38,438,179	\$ -
Total Purchased Power	\$ 55,032,831	\$ 4,156,655	1,017,943	\$ 50,840,091	\$ 36,085

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

APRIL 2019

Schedule 3, Sales
Page 2 of 2

	Total	Capacity	Non-capacity		
Sales	\$	\$	mWh	Fuel \$	Non-fuel \$
Market Based:					
NCEMC Purchase Power Agreement	\$ 1,067,364	\$ 652,500	12,737	\$ 351,250	\$ 63,614
PJM Interconnection, LLC.	2,503	-	111	2,877	(374)
Other:					
DE Carolinas - Native Load Transfer Benefit	753,887	-	-	753,887	-
DE Carolinas - Native Load Transfer	9,314,490	-	389,284	8,912,214	402,276
Generation Imbalance	(4)	-	18	-	(4)
Total Intersystem Sales	\$ 11,138,240	\$ 652,500	402,150	\$ 10,020,228	\$ 465,512

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
April 2019

Schedule 4
Page 1 of 3

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,398,167,319
2	DERP Net Metered kWh generation	Input					1,908,116
3	Adjusted System kWh sales	L1 + L2					4,400,075,435
4	Actual S.C. Retail kWh sales	Input	135,293,463	18,470,644	351,313,755	6,559,166	511,637,028
5	DERP Net Metered kWh generation	Input	1,048,416	24,795	834,906		1,908,116
6	Adjusted S.C. Retail kWh sales	L4 + L5	136,341,879	18,495,439	352,148,661	6,559,166	513,545,144
7	Actual S.C. Demand units (kw)	L32 / 31b *100			653,300		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					\$98,416,735
9	Eliminate avoided fuel benefit of S.C. net metering	Input					\$61,174
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					\$98,477,909
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.238
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	\$3,051,462	\$413,946	\$7,881,425	\$146,800	\$11,493,633
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	(\$36,162)	(\$3,341)	(\$21,671)	\$0	(\$61,174)
14	S.C. Retail portion of incurred system expense	L12 + L13	\$3,015,300	\$410,605	\$7,859,754	\$146,800	\$11,432,459
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.367	2.366	2.366	2.366	2.366
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	\$3,201,966	\$437,015	\$8,312,083	\$155,190	\$12,106,254
17	DERP NEM incentive - fuel component	Input	(\$8,453)	(\$781)	(\$5,066)	\$0	(\$14,300)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	\$3,193,513	\$436,234	\$8,307,017	\$155,190	\$12,091,954
19	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 - L14	(\$178,213)	(\$25,629)	(\$447,263)	(\$8,390)	(\$659,495)
20	Adjustment - Economic Purchases	Input					
21	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L19 + L20	(\$178,213)	(\$25,629)	(\$447,263)	(\$8,390)	(\$659,495)
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.922	0.706			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			103		
23	Incurred S.C. base fuel - capacity expense	Input	\$1,247,430	\$130,368	\$670,275		\$2,048,073
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.676	0.426			
24b	Billed base fuel - capacity rate (¢/kW)	Input			88		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	\$914,658	\$78,685	\$574,944	\$0	\$1,568,287
26	S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 - L23	\$332,772	\$51,683	\$95,331	\$0	\$479,786
27	Adjustment	Input	\$0	\$0	\$0	\$0	\$0
28	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L26 + L27	\$332,772	\$51,683	\$95,331	\$0	\$479,786
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.037	0.028			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			4		
30	Incurred S.C. environmental expense	Input	\$50,213	\$5,248	\$26,981		\$82,442
31a	Billed environmental rates by class (¢/kWh)	Input	0.019	0.008			
31b	Billed environmental rate (¢/kW)	Input			1		
32	Billed S.C. environmental revenue	L31a * L4 /100	\$25,519	\$1,478	\$6,533		\$33,530
33	S.C. environmental (over)/under recovery [See footnote]	L32 - L30	\$24,694	\$3,770	\$20,448	\$0	\$48,912
34	Adjustment	Input					\$0
35	Total S.C. environmental (over)/under recovery [See footnote]	L33 + L34	\$24,694	\$3,770	\$20,448	\$0	\$48,912
Distributed Energy Resource Program component of recovery: avoided costs							
36a	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	L37 / L4 * 100	0.004	0.003			
36b	Incurred S.C. DERP avoided cost rates by class (¢/kW)	L37 / L7 * 100			0.423		
37	Incurred S.C. DERP avoided cost expense	Input	\$5,141	\$537	\$2,763		\$8,441
38a	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.003	0.001			
38b	Billed S.C. DERP avoided cost rates by class (¢/kW)	Input			0.000		
39	Billed S.C. DERP avoided cost revenue	L38a * L4 /100	\$4,029	\$185	\$0		\$4,214
40	S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 - L37	\$1,112	\$352	\$2,763	\$0	\$4,227
41	Adjustment	Input					
42	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L40 + L41	\$1,112	\$352	\$2,763	\$0	\$4,227
43	Total (over)/under recovery [See footnote]	L21 + L28 + L35 + L42	\$180,365	\$30,176	(\$328,721)	(\$8,390)	(\$126,570)

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
April 2019

Schedule 4
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Year 2018-2019						
Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	\$23,394,223					
March 2018 - actual	23,722,902	\$105,966	\$14,137	\$203,204	\$5,372	\$328,679
April 2018 - actual	23,109,195	(170,943)	(23,111)	(411,945)	(7,708)	(613,707)
May 2018 - actual	23,830,285	191,924	30,025	488,780	10,361	721,090
June 2018 - actual	25,124,368	428,696	63,626	785,404	16,357	1,294,083
July 2018 - actual	24,946,484	(67,321)	(9,747)	(99,157)	(1,659)	(177,884)
August 2018 - actual	24,050,415	(311,321)	(46,740)	(528,335)	(9,673)	(896,069)
September 2018 - actual	24,878,029	299,793	45,472	471,998	10,351	827,614
October 2018 - actual	21,969,123	(837,198)	(131,238)	(1,906,421)	(34,049)	(2,908,906)
November 2018 - actual	21,874,458	(35,810)	(9,976)	(47,667)	(1,212)	(94,665)
December 2018 - actual	22,072,704	72,321	(1,648)	124,688	2,885	198,246
January 2019 - actual	22,975,950	284,785	34,403	574,249	9,809	903,246
February 2019 - actual	13,424,397	(3,562,940)	(433,955)	(5,442,452)	(112,206)	(9,551,553)
March 2019 - actual	13,142,207	(113,956)	(15,296)	(148,555)	(4,383)	(282,190)
April 2019 - actual	12,482,712	(178,213)	(25,629)	(447,263)	(8,390)	(659,495)
_/2 May 2019 - forecast\	11,186,563	(366,878)	(67,455)	(841,591)	(20,225)	(1,296,149)
_/2 June 2019 - forecast	\$10,283,596	(\$287,447)	(\$44,667)	(\$557,536)	(\$13,317)	(\$902,967)
Year 2018-2019						
Cumulative (over) / under recovery - BASE FUEL CAPACITY	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	\$1,622,067					
March 2018 - actual	1,523,528	\$79,187	(\$398)	(\$177,328)	\$0	(\$98,539)
April 2018 - actual	2,089,902	479,717	34,630	52,027	0	566,374
May 2018 - actual	2,445,242	379,717	16,470	(40,847)	0	355,340
June 2018 - actual	2,666,876	217,876	(2,152)	5,910	0	221,634
July 2018 - actual	2,857,544	88,083	(5,454)	108,039	0	190,668
August 2018 - actual	2,709,391	(174,287)	(21,437)	47,571	0	(148,153)
September 2018 - actual	2,361,078	(199,912)	(23,546)	(124,855)	0	(348,313)
October 2018 - actual	1,891,426	(303,466)	(34,886)	(131,300)	0	(469,652)
November 2018 - actual	1,846,089	47,213	(95,245)	2,695	0	(45,337)
December 2018 - actual	1,234,990	(556,097)	61,633	(116,635)	0	(611,099)
January 2019 - actual	1,007,021	(384,000)	(3,835)	159,866	0	(227,969)
February 2019 - actual	574,929	(384,503)	(1,502)	(46,087)	0	(432,092)
March 2019 - actual	320,452	(158,950)	9,884	(105,411)	0	(254,477)
April 2019 - actual	800,238	332,772	51,683	95,331	0	479,786
_/2 May 2019 - forecast\	1,174,573	337,884	30,258	6,193	0	374,335
_/2 June 2019 - forecast	\$1,216,798	\$78,492	\$22,148	(\$58,415)	\$0	\$42,225
Year 2018-2019						
Cumulative (over) / under recovery - ENVIRONMENTAL	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	(\$616,504)					
March 2018 - actual	(648,397)	(\$9,388)	(\$802)	(\$21,703)	\$0	(\$31,893)
April 2018 - actual	(646,907)	10,886	939	(10,335)	0	1,490
May 2018 - actual	(644,440)	13,284	519	(11,336)	0	2,467
June 2018 - actual	(578,713)	44,416	3,379	17,932	0	65,727
July 2018 - actual	(485,932)	52,174	4,953	35,654	0	92,781
August 2018 - actual	(331,044)	82,556	8,644	63,688	0	154,888
September 2018 - actual	(243,057)	43,796	5,046	39,145	0	87,987
October 2018 - actual	(185,125)	26,868	3,296	27,768	0	57,932
November 2018 - actual	(103,746)	43,556	2,923	34,900	0	81,379
December 2018 - actual	25,412	65,540	9,250	54,368	0	129,158
January 2019 - actual	191,745	90,257	11,403	64,673	0	166,333
February 2019 - actual	199,207	(5,378)	1,497	11,343	0	7,462
March 2019 - actual	275,991	40,490	5,702	30,592	0	76,784
April 2019 - actual	324,903	24,694	3,770	20,448	0	48,912
_/2 May 2019 - forecast\	399,632	41,097	5,113	28,519	0	74,729
_/2 June 2019 - forecast	\$560,337	\$91,359	\$10,943	\$58,403	\$0	\$160,705
Year 2018-2019						
Cumulative (over) / under recovery - DERP AVOIDED COSTS	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Total
Balance ending February 2018	\$2,713					
March 2018 - actual	7,033	\$2,554	\$236	\$1,530	\$0	\$4,320
April 2018 - actual	14,508	4,419	408	2,648	0	7,475
May 2018 - actual	21,181	3,945	364	2,364	0	6,673
June 2018 - actual	23,496	1,368	127	820	0	2,315
July 2018 - actual	26,569	755	189	2,129	0	3,073
August 2018 - actual	36,281	3,500	568	5,644	0	9,712
September 2018 - actual	39,362	(348)	203	3,226	0	3,081
October 2018 - actual	32,433	(5,959)	(354)	(616)	0	(6,929)
November 2018 - actual	34,431	(208)	(80)	2,286	0	1,998
December 2018 - actual	30,879	(4,388)	102	734	0	(3,552)
January 2019 - actual	21,463	(7,812)	(399)	(1,205)	0	(9,416)
February 2019 - actual	19,285	(3,579)	17	1,384	0	(2,178)
March 2019 - actual	17,378	(2,803)	(12)	908	0	(1,907)
April 2019 - actual	21,605	1,112	352	2,763	0	4,227
_/2 May 2019 - forecast\	23,384	(395)	152	2,022	0	1,779
_/2 June 2019 - forecast	\$23,789	(\$1,616)	\$118	\$1,903	\$0	\$405

Duke Energy Progress
(Over) / Under Recovery of Fuel Costs
April 2019

Schedule 4
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Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
44	Incurring S.C. DERP incremental expense	Input	(\$2,393)	(\$947)	(\$589)	(\$3,929)
45	Billed S.C. DERP incremental rates by account (\$/account)	Input	0.72	1.26	99.55	
46	Billed S.C. DERP incremental revenue	Input	\$98,763	\$40,461	\$26,228	\$165,452
47	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L46	(\$101,156)	(\$41,408)	(\$26,817)	(\$169,381)
48	Adjustment	Input				
49	Total S.C. DERP incremental (over)/under recovery [See footnote]	L47 + L48	(\$101,156)	(\$41,408)	(\$26,817)	(\$169,381)

Year 2018-2019

Cumulative (over) / under recovery

Balance ending February 2018

March 2018 - actual

April 2018 - actual

May 2018 - actual

June 2018 - actual

July 2018 - actual

August 2018 - actual

September 2018 - actual

October 2018 - actual

November 2018 - actual

December 2018 - actual

January 2019 - actual

February 2019 - actual

March 2019 - actual

April 2019 - actual

_/2 May 2019 - forecast

_/2 June 2019 - forecast

Cumulative	Total
(\$448,552)	
(541,339)	(\$92,787)
(634,011)	(92,672)
(707,644)	(73,633)
(702,927)	4,717
(661,166)	41,761
(600,348)	60,818
(518,066)	82,282
(452,317)	65,749
(363,223)	89,094
(251,280)	111,943
(85,611)	165,669
6,239	91,850
107,362	101,123
(62,019)	(169,381)
72,669	134,688
\$217,816	\$145,147

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts.

Under collections, or regulatory assets, are shown as positive amounts.

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.384 and RECD 5% discount.

_/2 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
April 2019

Schedule 5
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Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	\$5,610,522	-	\$33,445,147	\$10,081,659
Oil	-	-	-	-	1,414	-	16,077	484
Gas - CC	-	17,448,438	8,436,832	-	-	-	-	-
Gas - CT	39	-	1,307,958	-	-	2,808,598	-	-
Biogas	-	-	-	-	-	-	-	-
Total	39	\$17,448,438	\$9,744,790	-	\$5,611,936	\$2,808,598	\$33,461,224	\$10,082,143
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	401.29	-	447.89	380.39
Oil	-	-	-	-	-	-	1,556.34	-
Gas - CC	-	376.47	518.43	-	-	-	-	-
Gas - CT	-	-	373.58	-	-	1,096.84	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	-	376.47	492.78	-	401.39	1,096.84	448.04	380.41
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	\$3,832,459	-	\$10,173,570	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	35,182	-	-	-	78,945	15,524	264,325	-
Gas - CC	-	17,448,438	8,436,832	-	-	-	-	-
Gas - CT	39	-	1,307,958	-	-	2,808,598	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,195,610	-	-	-	-
Total	\$35,221	\$17,448,438	\$9,744,790	\$3,195,610	\$3,911,404	\$2,824,122	\$10,437,895	\$0
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	367.65	-	373.47	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,590.51	-	-	-	1,538.29	1,538.55	1,521.38	-
Gas - CC	-	376.47	518.43	-	-	-	-	-
Gas - CT	-	-	373.58	-	-	1,096.84	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,592.27	376.47	492.78	55.67	373.39	1,098.58	380.75	-
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.25	-	3.98	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	17.68	17.84	21.05	-
Gas - CC	-	2.71	3.87	-	-	-	-	-
Gas - CT	-	-	3.68	-	-	11.95	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.56	-	-	-	-
Weighted Average	-	2.71	3.84	0.56	4.32	11.98	4.06	-
Burned MBTU's								
Coal	-	-	-	-	1,042,414	-	2,724,049	-
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,212	-	-	-	5,132	1,009	17,374	-
Gas - CC	-	4,634,695	1,627,395	-	-	-	-	-
Gas - CT	-	-	350,117	-	-	256,062	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,740,033	-	-	-	-
Total	2,212	4,634,695	1,977,512	5,740,033	1,047,546	257,071	2,741,423	-
Net Generation (mWh)								
Coal	-	-	-	-	90,126	-	255,653	(5,682)
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	(11)	-	-	-	446	87	1,256	-
Gas - CC	-	643,899	218,253	-	-	-	-	-
Gas - CT	-	-	35,587	-	-	23,495	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	566,783	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(11)	643,899	253,840	566,783	90,572	23,582	256,909	(5,682)
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	-	-	\$85,827	-
Limestone	-	-	-	-	127,674	-	314,547	-
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	3,406	-	117,093	-
Urea	-	-	-	-	85,094	-	-	-
Total	-	-	-	-	\$216,175	-	\$517,467	-

Notes:

Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
April 2019

Schedule 5
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Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME April 2019
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	-	-	\$49,137,328	\$334,791,512
Oil	-	-	-	-	-	-	17,975	17,269,254
Gas - CC	-	-	-	-	15,045,743	-	40,931,013	583,340,063
Gas - CT	-	-	581,616	391,609	2,818,356	-	7,908,176	160,575,437
Biogas	-	-	-	-	148,297	-	148,297	1,062,537
Total	-	-	\$581,616	\$391,609	\$17,864,099	-	\$98,142,789	\$1,097,038,803
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	426.70	347.96
Oil	-	-	-	-	-	-	1,740.08	1,511.45
Gas - CC	-	-	-	-	349.35	-	387.28	415.88
Gas - CT	-	-	378.61	348.14	330.92	-	458.72	370.70
Biogas	-	-	-	-	2,869.52	-	2,869.52	2,921.30
Weighted Average	-	-	378.61	348.14	348.83	-	412.11	390.43
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	-	-	\$14,006,029	\$300,059,945
Oil - CC	-	-	-	-	-	-	-	2,145
Oil - Steam/CT	-	11,956	210,101	40,804	3,310	-	660,147	16,183,851
Gas - CC	-	-	-	-	15,045,743	-	40,931,013	583,340,063
Gas - CT	-	-	581,616	391,609	2,818,356	-	7,908,176	160,575,437
Biogas	-	-	-	-	148,297	-	148,297	1,062,537
Nuclear	3,819,113	-	-	-	-	4,698,092	11,712,815	181,197,832
Total	\$3,819,113	11,956	\$791,717	\$432,413	18,015,706.00	\$4,698,092	\$75,366,477	\$1,242,421,810
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	371.86	333.35
Oil - CC	-	-	-	-	-	-	-	1,650.00
Oil - Steam/CT	-	1,683.99	1,744.01	1,730.45	1,663.32	-	1,608.51	1,587.50
Gas - CC	-	-	-	-	349.35	-	387.28	415.88
Gas - CT	-	-	378.61	348.14	330.92	-	458.72	370.70
Biogas	-	-	-	-	2,869.52	-	2,869.52	2,921.30
Nuclear	57.47	-	-	-	-	64.95	59.70	62.37
Weighted Average	57.47	1,683.99	477.90	376.52	348.88	64.95	210.97	219.82
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	4.12	3.77
Oil - CC	-	-	-	-	-	-	-	17.88
Oil - Steam/CT	-	-	22.71	-	17.67	-	25.04	22.38
Gas - CC	-	-	-	-	4.33	-	3.38	3.02
Gas - CT	-	-	4.17	4.29	1.11	-	2.35	4.02
Biogas	-	-	-	-	33.42	-	33.42	22.03
Nuclear	0.64	-	-	-	-	0.67	0.63	0.65
Weighted Average	0.64	-	5.32	4.77	2.99	0.67	1.95	2.06
Burned MBTU's								
Coal	-	-	-	-	-	-	3,766,463	90,013,300
Oil - CC	-	-	-	-	-	-	-	130
Oil - Steam/CT	-	710	12,047	2,358	199	-	41,041	1,019,456
Gas - CC	-	-	-	-	4,306,780	-	10,568,870	140,267,771
Gas - CT	-	-	153,620	112,487	851,666	-	1,723,952	43,316,813
Biogas	-	-	-	-	5,168	-	5,168	36,372
Nuclear	6,645,338	-	-	-	-	7,233,755	19,619,126	290,539,220
Total	6,645,338	710	165,667	114,845	5,163,813	7,233,755	35,724,620	565,193,062
Net Generation (mWh)								
Coal	-	-	-	-	-	-	340,097	7,961,155
Oil - CC	-	-	-	-	-	-	-	12
Oil - Steam/CT	-	(40)	925	(45)	19	-	2,637	72,306
Gas - CC	-	-	-	-	347,450	-	1,209,602	19,338,151
Gas - CT	-	-	13,951	9,118	254,951	-	337,103	3,999,280
Biogas	-	-	-	-	444	-	444	4,822
Nuclear	595,650	-	-	-	-	704,407	1,866,840	27,742,106
Hydro (Total System)							78,116	847,241
Solar (Total System)							24,300	226,083
Total	595,650	(40)	14,876	9,073	602,864	704,407	3,859,138	60,191,157
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	\$13,026	-	\$98,853	\$1,659,397
Limestone	-	-	-	-	-	-	442,222	11,161,608
Re-emission Chemical	-	-	-	-	-	-	-	84,162
Sorbents	-	-	-	-	-	-	120,500	3,054,598
Urea	-	-	-	-	-	-	85,094	1,184,120
Total	-	-	-	-	\$13,026	-	\$746,668	\$17,143,885

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
April 2019

Schedule 6
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Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	71,685
Tons received during period	-	-	-	-	56,572
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	42,203
Ending balance	-	-	-	-	86,054
MBTUs per ton burned	-	-	-	-	24.70
Cost of ending inventory (\$/ton)	-	-	-	-	90.81
Oil Data:					
Beginning balance	684,794	-	2,623,651	78,040	2,919,468
Gallons received during period	-	-	-	-	-
Miscellaneous use and adjustments	-	-	-	-	(3,711)
Gallons burned during period	15,802	-	-	-	44,672
Ending balance	668,992	-	2,623,651	78,040	2,871,085
Cost of ending inventory (\$/gal)	2.23	-	2.80	2.42	2.11
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,490,583	1,919,538	-	248,458
MCF burned during period	-	4,490,583	1,919,538	-	248,458
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	16,670
Tons received during period	-	-	-	-	3,150
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,430
Ending balance	-	-	-	-	17,390
Cost of ending inventory (\$/ton)	-	-	-	-	50.87

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Gas is burned as received; therefore, inventory balances are not maintained.

The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
April 2019

Schedule 6
Page 2 of 3

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	977,818	319,932	-	-	-
Tons received during period	294,685	102,902	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	107,141	-	-	-	-
Ending balance	1,165,362	422,834	-	-	-
MBTUs per ton burned	25.42	-	-	-	-
Cost of ending inventory (\$/ton)	94.92	85.57	-	-	-
Oil Data:					
Beginning balance	189,164	304,700	164,179	790,471	12,012,380
Gallons received during period	7,489	0	-	-	-
Miscellaneous use and adjustments	(7,489)	(2,400)	-	-	-
Gallons burned during period	125,866	-	1,172	5,054	87,519
Ending balance	63,298	302,300	163,007	785,417	11,924,861
Cost of ending inventory (\$/gal)	2.10	2.11	2.42	2.37	2.40
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	148,702
MCF burned during period	-	-	-	-	148,702
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	-
MCF burned during period	-	-	-	-	-
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	50,960	16,946	-	-	-
Tons received during period	32,959	-	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	7,832	-	-	-	-
Ending balance	76,087	16,946	-	-	-
Cost of ending inventory (\$/ton)	39.32	51.77	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
April 2019

Schedule 6
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Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME April 2019
Coal Data:					
Beginning balance	-	-	-	1,369,435	1,480,839
Tons received during period	-	-	-	454,159	3,815,632
Inventory adjustments	-	-	-	-	(53,917)
Tons burned during period	-	-	-	149,344	3,568,304
Ending balance	-	-	-	1,674,250	1,674,250
MBTUs per ton burned	-	-	-	25.22	25.23
Cost of ending inventory (\$/ton)	-	-	-	92.35	92.35
Oil Data:					
Beginning balance	10,421,302	8,175,787	272,031	38,635,967	37,880,361
Gallons received during period	-	-	-	7,489	8,279,416
Miscellaneous use and adjustments	-	-	-	(13,600)	(189,515)
Gallons burned during period	17,052	1,422	-	298,559	7,638,965
Ending balance	10,404,250	8,174,365	272,031	38,331,297	38,331,297
Cost of ending inventory (\$/gal)	2.39	2.33	2.42	2.38	2.38
Natural Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	109,371	5,005,254	-	11,921,906	178,555,079
MCF burned during period	109,371	5,005,254	-	11,921,906	178,555,079
Ending balance	-	-	-	-	-
Biogas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	5,017	-	5,017	35,448
MCF burned during period	-	5,017	-	5,017	35,448
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	84,576	143,850
Tons received during period	-	-	-	36,109	208,924
Inventory adjustments	-	-	-	-	(3,989)
Tons consumed during period	-	-	-	10,262	238,362
Ending balance	-	-	-	110,423	110,423
Cost of ending inventory (\$/ton)	-	-	-	43.05	43.05

Schedule 7

DUKE ENERGY PROGRESS
ANALYSIS OF COAL PURCHASED
APRIL 2019

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	1,379	\$ 119,409	86.59
	CONTRACT	55,193	4,037,885	73.16
	FIXED TRANSPORTATION/ADJUSTMENTS	-	1,453,228	-
	TOTAL	56,572	5,610,522	99.17
MAYO	SPOT	39,043	2,777,910	71.15
	CONTRACT	63,859	4,470,211	70.00
	FIXED TRANSPORTATION/ADJUSTMENTS	-	2,833,538	-
	TOTAL	102,902	10,081,659	97.97
ROXBORO	SPOT	89,850	6,506,295	72.41
	CONTRACT	204,835	13,447,739	65.65
	FIXED TRANSPORTATION/ADJUSTMENTS	-	13,491,113	-
	TOTAL	294,685	33,445,147	113.49
ALL PLANTS	SPOT	130,272	9,403,614	72.18
	CONTRACT	323,887	21,955,835	67.79
	FIXED TRANSPORTATION/ADJUSTMENTS	-	17,777,879	-
	TOTAL	454,159	\$ 49,137,328	\$ 108.19

Schedule 8

**DUKE ENERGY PROGRESS
ANALYSIS OF COAL QUALITY RECEIVED
APRIL 2019**

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.62	11.24	12,357	1.58
MAYO	5.79	9.35	12,878	2.68
ROXBORO	6.12	9.45	12,670	2.03

Schedule 9

DUKE ENERGY PROGRESS
ANALYSIS OF OIL PURCHASED
APRIL 2019

ROXBORO

VENDOR	Greensboro Tank Farm
SPOT/CONTRACT	Contract
SULFUR CONTENT %	0
GALLONS RECEIVED	7,489
TOTAL DELIVERED COST	\$ 16,077
DELIVERED COST/GALLON	\$ 2.15
BTU/GALLON	138,000

Notes:

Sampling charges of \$1,414 for the Asheville station and motor fuel taxes of \$484 for the Mayo station are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2018 - April, 2019
Nuclear Units

<u>Unit Name</u>	<u>Net Generation (mWh)</u>	<u>Capacity Rating (mW)</u>	<u>Capacity Factor (%)</u>	<u>Equivalent Availability (%)</u>
Brunswick 1	7,611,532	938	92.63	93.57
Brunswick 2	6,498,960	932	79.60	82.89
Harris 1	8,363,167	943	101.29	97.02
Robinson 2	5,268,447	741	81.16	78.76

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2018 through April, 2019
Combined Cycle Units**

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,487,128	225	75.45	83.42
Lee Energy Complex	1B	1,492,281	227	75.04	82.80
Lee Energy Complex	1C	1,514,092	228	75.81	82.54
Lee Energy Complex	ST1	2,974,584	379	89.59	95.85
Lee Energy Complex	Block Total	7,468,085	1,059	80.50	87.54
Richmond County CC	7	1,241,261	191	74.33	82.28
Richmond County CC	8	1,231,784	191	73.76	82.22
Richmond County CC	ST4	1,388,949	177	89.43	91.05
Richmond County CC	9	1,363,880	216	72.08	77.21
Richmond County CC	10	1,373,855	216	72.61	77.41
Richmond County CC	ST5	1,777,034	248	81.80	87.36
Richmond County CC	Block Total	8,376,763	1,239	77.21	82.79
Sutton Energy Complex	1A	1,142,996	224	58.25	72.11
Sutton Energy Complex	1B	1,128,868	224	57.53	68.59
Sutton Energy Complex	ST1	1,226,273	271	51.66	65.15
Sutton Energy Complex	Block Total	3,498,137	719	55.54	68.39

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2018 through April, 2019**

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,154,171	746	17.66	65.49
Roxboro 2	1,539,680	673	26.12	84.74
Roxboro 3	1,250,499	698	20.45	53.77
Roxboro 4	2,201,937	711	35.35	69.70

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2018 through April, 2019
Other Cycling Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	685,083	192	40.73	92.65
Asheville 2	550,441	192	32.73	92.45
Roxboro 1	628,770	380	18.89	93.61

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
May, 2018 through April, 2019
Combustion Turbine Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	451,575	370	77.00
Blewett CT	-247	68	98.21
Darlington CT	161,630	818	88.61
Richmond County CT	2,949,590	934	87.13
Sutton Fast Start CT	185,040	98	86.78
Wayne County CT	274,254	963	95.73
Weatherspoon CT	317	164	93.83

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

**Duke Energy Progress
Power Plant Performance Data**

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**Twelve Month Summary
May, 2018 through April, 2019
Hydroelectric Stations**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	45,839	27.0	37.65
Marshall	-363	4.0	0.00
Tillery	304,305	84.0	93.01
Walters	497,460	113.0	78.64

Notes:

- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Fuel and Fuel Related Cost Report
March 2019

Schedule 5
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Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	\$5,221,006	-	\$20,932,462	\$8,482,923
Oil	108,542	-	-	-	(99)	-	451,673	404,633
Gas - CC	-	20,510,566	13,595,268	-	-	-	-	-
Gas - CT	24	-	653,299	-	-	2,150,497	-	-
Biogas	-	-	-	-	-	-	-	-
Total	108,566	\$20,510,566	\$14,248,567	-	\$5,220,907	\$2,150,497	\$21,384,135	\$8,887,556
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	364.47	-	330.49	280.74
Oil	1,495.69	-	-	-	1,414.29	-	1,499.83	1,499.20
Gas - CC	-	405.30	470.88	-	-	-	-	-
Gas - CT	-	-	463.78	-	-	4,363.74	-	-
Biogas	-	-	-	-	-	-	-	-
Weighted Average	1,496.02	405.30	470.54	-	364.46	4,363.74	336.02	291.52
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	\$5,236,744	-	\$17,321,167	\$2,379,063
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	23,727	-	-	-	96,120	22,056	520,592	155,747
Gas - CC	-	20,510,566	13,595,268	-	-	-	-	-
Gas - CT	24	-	653,299	-	-	2,150,497	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	3,301,699	-	-	-	-
Total	\$23,751	\$20,510,566	\$14,248,567	\$3,301,699	\$5,332,864	\$2,172,553	\$17,841,759	\$2,534,810
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	337.22	-	352.43	318.76
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,590.28	-	-	-	1,538.17	1,538.08	1,521.44	1,531.44
Gas - CC	-	405.30	470.88	-	-	-	-	-
Gas - CT	-	-	463.78	-	-	4,363.74	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	55.67	-	-	-	-
Weighted Average	1,591.89	405.30	470.54	55.67	342.03	4,283.85	360.52	335.06
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	4.12	-	3.83	3.65
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	18.82	25.35	16.38	17.53
Gas - CC	-	2.89	3.33	-	-	-	-	-
Gas - CT	-	-	4.70	-	-	68.59	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	0.56	-	-	-	-
Weighted Average	-	2.89	3.38	0.56	4.18	67.43	3.92	3.84
Burned MBTU's								
Coal	-	-	-	-	1,552,934	-	4,914,738	746,358
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,492	-	-	-	6,249	1,434	34,217	10,170
Gas - CC	-	5,060,592	2,887,234	-	-	-	-	-
Gas - CT	-	-	140,865	-	-	49,281	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	5,930,593	-	-	-	-
Total	1,492	5,060,592	3,028,099	5,930,593	1,559,183	50,715	4,948,955	756,528
Net Generation (mWh)								
Coal	-	-	-	-	127,212	-	452,280	65,182
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	(28)	-	-	-	511	87	3,179	888
Gas - CC	-	710,152	408,268	-	-	-	-	-
Gas - CT	-	-	13,900	-	-	3,135	-	-
Biogas	-	-	-	-	-	-	-	-
Nuclear	-	-	-	587,358	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(28)	710,152	422,168	587,358	127,723	3,222	455,459	66,070
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	-	-	\$75,257	\$9,558
Limestone	-	-	-	-	164,560	-	574,657	99,999
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	5,765	-	216,421	32,145
Urea	-	-	-	-	114,710	-	-	-
Total	-	-	-	-	\$285,035	-	\$866,336	\$141,702

Notes:

Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
March 2019

Schedule 5
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Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME March 2019
Cost of Fuel Purchased (\$)								
Coal	-	-	-	-	-	-	\$34,636,391	\$306,305,926
Oil	2,331	-	-	-	-	-	967,080	18,118,231
Gas - CC	-	-	-	-	8,445,290	-	42,551,124	570,332,536
Gas - CT	-	-	243,212	54,046	9,188,240	-	12,289,318	168,066,557
Biogas	-	-	-	-	128,337	-	128,337	920,702
Total	2,331	-	\$243,212	\$54,046	\$17,633,530	-	\$90,572,250	\$1,063,743,952
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	-	-	321.07	336.61
Oil	-	-	-	-	-	-	1,502.73	1,508.31
Gas - CC	-	-	-	-	389.64	-	420.66	416.97
Gas - CT	-	-	399.99	408.17	375.47	-	453.26	368.85
Biogas	-	-	-	-	2,919.40	-	2,919.40	2,933.85
Weighted Average	-	-	399.99	408.17	384.54	-	382.43	387.41
Cost of Fuel Burned (\$)								
Coal	-	-	-	-	-	-	\$24,936,974	\$303,392,775
Oil - CC	-	-	-	-	149	-	149	2,216
Oil - Steam/CT	-	19,661	-	14,049	18,031	-	869,983	17,008,105
Gas - CC	-	-	-	-	8,445,290	-	42,551,124	570,332,536
Gas - CT	-	-	243,212	54,046	9,188,240	-	12,289,318	168,066,557
Biogas	-	-	-	-	128,337	-	128,337	920,702
Nuclear	4,276,463	-	-	-	-	4,848,869	12,427,031	181,956,773
Total	\$4,276,463	19,661	\$243,212	\$68,095	17,780,047.00	\$4,848,869	\$93,202,916	\$1,241,679,664
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	345.67	331.03
Oil - CC	-	-	-	-	1,655.56	-	1,655.56	1,653.73
Oil - Steam/CT	-	1,683.33	-	1,730.17	1,663.38	-	1,536.37	1,583.93
Gas - CC	-	-	-	-	389.64	-	420.66	416.97
Gas - CT	-	-	399.99	408.17	375.47	-	453.26	368.85
Biogas	-	-	-	-	2,919.40	-	2,919.40	2,933.85
Nuclear	61.77	-	-	-	-	64.95	61.16	62.63
Weighted Average	61.77	1,683.33	399.99	484.56	384.84	64.95	230.58	219.53
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.87	3.75
Oil - CC	-	-	-	-	14.90	-	14.90	18.47
Oil - Steam/CT	-	-	-	-	18.30	-	19.06	21.99
Gas - CC	-	-	-	-	1.71	-	2.64	2.98
Gas - CT	-	-	5.72	10.10	9.18	-	10.08	4.18
Biogas	-	-	-	-	18.53	-	18.53	20.91
Nuclear	0.65	-	-	-	-	0.66	0.63	0.66
Weighted Average	0.65	-	5.72	17.83	2.99	0.66	2.09	2.06
Burned MBTU's								
Coal	-	-	-	-	-	-	7,214,030	91,650,544
Oil - CC	-	-	-	-	9	-	9	134
Oil - Steam/CT	-	1,168	-	812	1,084	-	56,626	1,073,793
Gas - CC	-	-	-	-	2,167,471	-	10,115,297	136,780,403
Gas - CT	-	-	60,805	13,241	2,447,150	-	2,711,342	45,564,794
Biogas	-	-	-	-	4,396	-	4,396	31,382
Nuclear	6,923,119	-	-	-	-	7,465,910	20,319,622	290,513,318
Total	6,923,119	1,168	60,805	14,053	4,620,110	7,465,910	40,421,322	565,614,368
Net Generation (MWh)								
Coal	-	-	-	-	-	-	644,674	8,081,365
Oil - CC	-	-	-	-	1	-	1	12
Oil - Steam/CT	-	(18)	-	(153)	99	-	4,564	77,354
Gas - CC	-	-	-	-	493,496	-	1,611,916	19,134,953
Gas - CT	-	-	4,250	535	100,109	-	121,930	4,022,746
Biogas	-	-	-	-	692	-	692	4,404
Nuclear	653,858	-	-	-	-	737,793	1,979,009	27,748,149
Hydro (Total System)							82,564	848,406
Solar (Total System)							19,304	227,472
Total	653,858	(18)	4,250	382	594,397	737,793	4,464,654	60,144,861
Cost of Reagents Consumed (\$)								
Ammonia	-	-	-	-	\$13,025	-	\$97,840	\$1,636,851
Limestone	-	-	-	-	-	-	839,216	11,266,783
Re-emission Chemical	-	-	-	-	-	-	-	84,162
Sorbents	-	-	-	-	-	-	254,331	3,094,114
Urea	-	-	-	-	-	-	114,710	1,188,625
Total	-	-	-	-	\$13,025	-	\$1,306,098	\$17,270,536